

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P218193

Luminaire Tested: **4SNLED-LD5-34SL-LN-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218193
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-34SL-LN-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3532.0 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

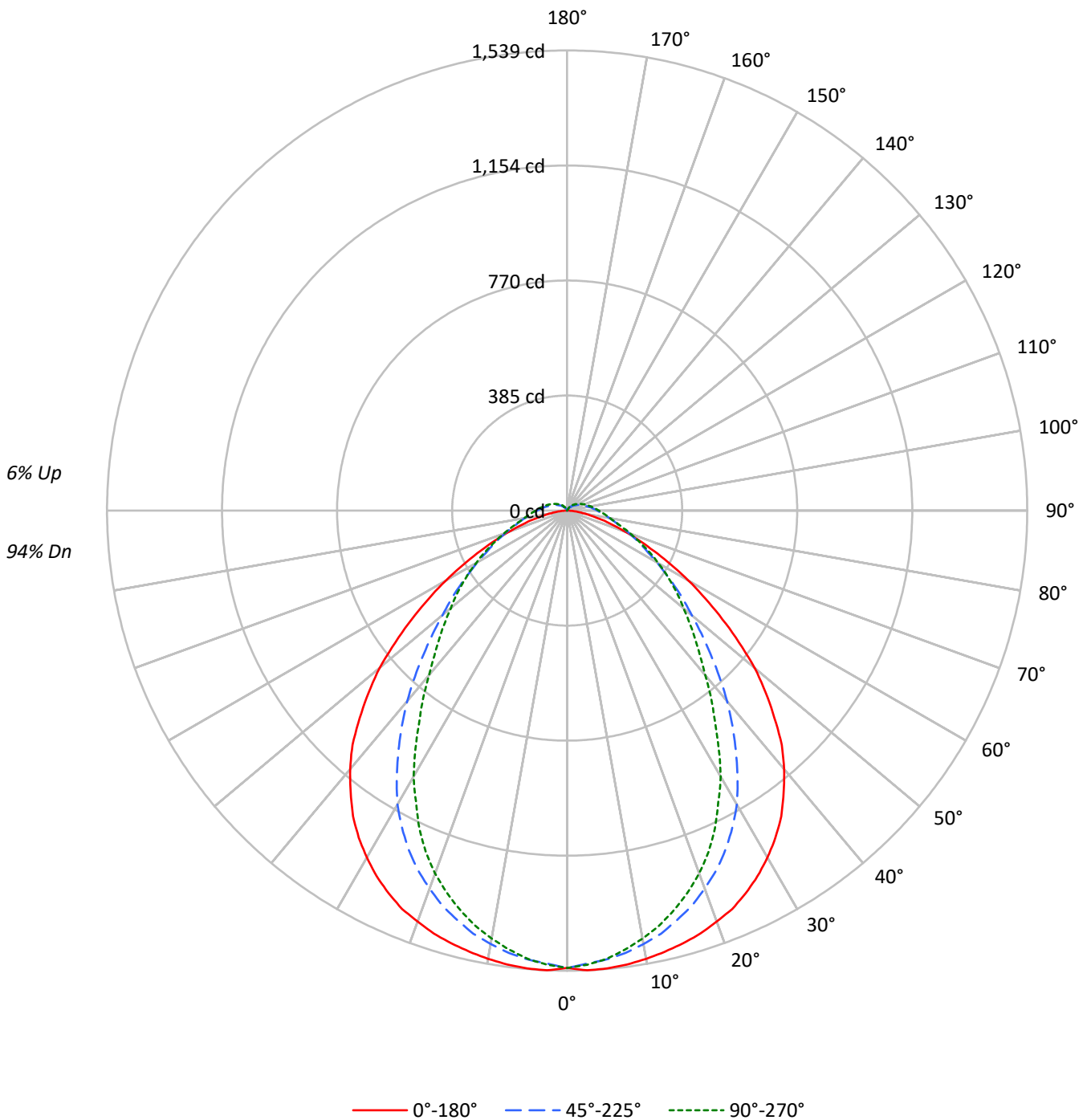
Input Watts (W): 24.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94				
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80				
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68				
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59				
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51				
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45				
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40				
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36				
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32				
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29				
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24647	24647	24647
5°	24772	22905	22391
10°	24725	21315	20215
15°	24713	19756	18191
20°	24705	18193	16235
25°	24632	16574	14193
30°	24342	14818	12117
35°	23864	12775	9969
40°	22955	10813	8216
45°	21453	8889	6891
50°	19553	7254	5810
55°	16825	5987	4952
60°	14092	4901	4149
65°	11202	4070	3430
70°	8732	3421	2831
75°	6615	2904	2350
80°	4607	2568	2018
85°	2791	2338	1827



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.8	4.1
10°-20°	403.6	11.4
20°-30°	584.4	16.5
30°-40°	636.1	18.0
40°-50°	564.9	16.0
50°-60°	430.0	12.2
60°-70°	285.5	8.1
70°-80°	174.0	4.9
80°-90°	107.8	3.1
90°-100°	73.6	2.1
100°-110°	51.7	1.5
110°-120°	35.2	1.0
120°-130°	22.3	0.6
130°-140°	12.7	0.4
140°-150°	6.0	0.2
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1131.8	32.0
0°-40°	1767.9	50.1
0°-60°	2762.8	78.2
0°-90°	3330.1	94.3
90°-120°	160.5	4.5
90°-150°	201.5	5.7
90°-180°	202.0	5.7
0°-180°	3532.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1530	1530	1530	1530	1530	
5°	1537	1528	1507	1515	1505	146
15°	1498	1472	1418	1401	1383	423
25°	1412	1349	1252	1202	1170	650
35°	1249	1137	984	899	862	778
45°	981	834	677	620	605	755
55°	635	516	437	430	428	569
65°	320	275	275	287	283	323
75°	123	140	175	184	179	133
85°	22	71	119	126	123	27
90°	0	52	100	110	106	2
95°	0	41	86	95	93	0
105°	0	26	61	71	71	0
115°	0	17	45	54	52	0
125°	0	11	30	37	37	0
135°	0	7	20	26	26	0
145°	0	4	11	15	15	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1529.6	1529.6	1529.6	1529.6	1529.6
2.5°	1538.9	1531.5	1516.6	1525.9	1520.3
5°	1537.1	1527.8	1507.3	1514.7	1505.4
7.5°	1531.5	1520.3	1492.4	1496.1	1481.2
10°	1522.2	1507.3	1471.9	1468.2	1453.3
12.5°	1511.0	1492.4	1449.6	1436.6	1421.7
15°	1498.0	1471.9	1418.0	1401.2	1382.6
17.5°	1483.1	1447.7	1386.3	1360.3	1339.8
20°	1462.6	1419.8	1345.4	1313.8	1291.4
22.5°	1442.2	1386.3	1302.6	1259.8	1235.6
25°	1412.4	1349.1	1252.4	1202.1	1170.5
27.5°	1378.9	1306.3	1196.5	1131.4	1096.0
30°	1339.8	1256.1	1135.1	1058.8	1027.2
32.5°	1297.0	1200.3	1060.7	978.8	943.5
35°	1248.6	1137.0	984.4	898.8	861.6
37.5°	1189.1	1068.1	908.1	820.6	790.9
40°	1129.5	995.6	831.8	749.9	718.3
42.5°	1062.5	915.5	753.6	679.2	656.9
45°	980.7	833.7	677.4	619.7	604.8
47.5°	900.7	749.9	608.5	567.6	554.5
50°	818.8	668.0	543.4	517.3	508.0
52.5°	723.9	588.0	489.4	472.7	468.9
55°	634.6	515.5	437.3	429.9	428.0
57.5°	549.0	446.6	388.9	394.5	390.8
60°	468.9	383.3	346.1	353.6	351.7
62.5°	390.8	325.6	307.0	321.9	318.2
65°	320.1	275.4	275.4	286.6	282.9
67.5°	258.7	234.5	245.6	256.8	253.1
70°	206.6	197.3	219.6	228.9	225.2
72.5°	160.0	165.6	193.5	204.7	199.1
75°	122.8	139.6	174.9	184.2	178.6
77.5°	87.5	117.2	158.2	165.6	160.0
80°	61.4	98.6	143.3	150.7	145.1
82.5°	39.1	83.7	130.3	137.7	134.0
85°	22.3	70.7	119.1	126.5	122.8
87.5°	11.2	61.4	107.9	117.2	113.5
90°	0.0	52.1	100.5	109.8	106.1
92.5°	0.0	46.5	93.0	102.3	98.6
95°	0.0	40.9	85.6	94.9	93.0
97.5°	0.0	37.2	80.0	89.3	85.6
100°	0.0	31.6	72.6	81.9	80.0
102.5°	0.0	29.8	67.0	76.3	74.4
105°	0.0	26.1	61.4	70.7	70.7
107.5°	0.0	24.2	57.7	67.0	65.1
110°	0.0	20.5	52.1	61.4	61.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	18.6	48.4	57.7	55.8
115°	0.0	16.7	44.7	54.0	52.1
117.5°	0.0	16.7	40.9	48.4	48.4
120°	0.0	14.9	37.2	44.7	44.7
122.5°	0.0	13.0	33.5	40.9	40.9
125°	0.0	11.2	29.8	37.2	37.2
127.5°	0.0	11.2	27.9	35.4	35.4
130°	0.0	9.3	24.2	31.6	31.6
132.5°	0.0	7.4	22.3	27.9	27.9
135°	0.0	7.4	20.5	26.1	26.1
137.5°	0.0	5.6	16.7	22.3	22.3
140°	0.0	5.6	14.9	20.5	20.5
142.5°	0.0	3.7	13.0	18.6	16.7
145°	0.0	3.7	11.2	14.9	14.9
147.5°	0.0	1.9	9.3	13.0	13.0
150°	0.0	1.9	7.4	11.2	9.3
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)